

10/535108

Rec'd PCT/PTO 16 MAY 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
3 June 2004 (03.06.2004)

PCT

(10) International Publication Number
WO 2004/045291 A1

(51) International Patent Classification⁷: A01N 65/00 (74) Agent: GILLE HRABAL STRUCK NEIDLEIN PROP ROOS; Brucknerstr. 20, 40593 Düsseldorf (DE).

(21) International Application Number:

PCT/EP2003/007097

(22) International Filing Date: 3 July 2003 (03.07.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
102 54 072.1 19 November 2002 (19.11.2002) DE

(71) Applicant (for all designated States except US): ALPHА-BIOCARE GMBH [DE/DE]; Gebäude 26.03, Heinrich-Heine-Universität, Universitätsstr. 1, 40225 Düsseldorf (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BRUINS, Hans-Kervin [NL/NL]; Eltenseweg 10, NL-7039 AA Stokkum (NL). MEHLHORN, Heinz [DE/DE]; St.-Georgstr. 21, 41468 Neuss (DE). SCHMAHL, Günter [DE/DE]; Merheimer Str. 478, 50735 Köln (DE). SCHMIDT, Jürgen [DE/DE]; Norfer Str. 9, 40221 Düsseldorf (DE).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/045291 A1

(54) Title: ARTHROPOD REPELLENT COMPRISING EXTRACTS AND/OR PARTS OF THE PLANT VITEX AGNUS-CASTUS

(57) Abstract: The present invention includes portions or extracts of any kind, which can be obtained from the plant Vitex agnus-castus (monk pepper) and can be used as repellent against bothersome, lymph- and/or blood-sucking, skin penetrating, respectively food-, storage materials - or plant -damaging arthropods (mites, ticks, insects). Thus, this repellent protects the health of humans, pet animals and livestock, plants and stored materials.